

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

FEB 09 2009

FORM APPROVED
OMB NO 1004-0137
Expires: March 31, 2007

HOBBSSOCD

5. Lease Serial No.
NMLC 032096A

- 1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.,
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and no.

2 Name of Operator
Apache Corporation

8 Lease Name and Well No.

Lockhart A-27 #23

3 Address
6120 S Yale Ave, Suite 1500 Tulsa OK 74136-42243.a Phone No (Include area code)
(918)491-4864

9 API Well No.

30-025-39114

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At Surface 990' FNL & 2375' FWL (NE1/4 NW1/4), Unit C, Sec 27, T21S, R37E

At top prod. interval reported below

At total depth ⁹⁶⁶961.5' FNL & ²²⁸⁸2284.5' FWL (NE1/4 NW1/4), Unit C, Sec 27, T21S, R37E

10. Field and Pool, or Exploratory

Blinebry O&G, Tubb O&G, Drinkard

11 Sec., T, R., M., on Block and

Survey or Area Sec 27, T21S, R37E

12. County or Parish

Lea

13 State

New Mexico

14 Date Spudded

10/01/2008

15. Date T.D. Reached

10/15/2008

16. Date Completed

☐ D & A☒ Ready to Prod.

12/18/2008

17. Elevations (DF, RKB, RT, GL)*

3407' GL

18. Total Depth: MD 6780'
TVD19. Plug Back T.D.: MD 6708'
TVD20. Depth Bridge Plug Set: MD 6350' / 5870'
TVD21 Type of Electric & Other Mechanical Logs Run (Submit copy of each)
DLL/MG, SD/DSN, ISAT, BVP22. Was well cored? ☒ No ☐ Yes (Submit analysis)Was DST run? ☒ No ☐ Yes (Submit analysis)Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12-1/4"	8-5/8"	24#	0'	1300'		650 Class C	190	0' circ	
7-7/8"	5-1/2"	17#	0'	6780'		1500 Class C	573	276' CBL	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	5828'							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Blinebry	5501'		5460' - 5680'		70	Shut In
B) Tubb	6008'		5984' - 6202'		60	Behind RBP' @ 5870'
C) Drinkard	6371'		6492' - 6596'		78	Behind RBP' @ 6350'
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
5460' - 5680'	Acidize with 3000 gals 15% HCl. Frac with 86K gals gel & 180K # sand.
5984' - 6202'	Acidize with 3000 gals 15% HCl. Frac with 43K gals gel & 90K # sand.
6492' - 6596'	Acidize with 3000 gals 15% HCl. Frac with 31K gals gel & 42K # sand.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						→
Choice Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→					Shut In	

Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						→
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

(See Instructions and spaces for additional data on page 2)

ACCEPTED FOR RECORD

JAN 31 2009

BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas - Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas - Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

30 Summary of Porous Zones (Include Aquifers)

Show all important zones or porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31 Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Rustler	1185'				
Yates	2523'				
Seven Rivers	2746'				
Queen	3313'				
Grayburg	3627'				
San Andres	3868'				
Glorieta	5062'				
Blinbry	5501'				
Tubb	6008'				
Drinkard	6371'				
Abo	6649'				

32. Additional remarks (include plugging procedure):

BLINEBRY 5460-64, 92-96, 5502-22, 32-40, 76-82, 88-92, 5656-80' 1 JSPF

TUBB 5984-86, 6074-76, 81-83, 6110-14, 20-22, 38-42, 47-49, 52-54, 57-59, 70-74, 6198-6202' 2 JSPF

DRINKARD 6492-96, 6515-26, 42-46, 54-58, 65-67, 70-72, 76-80, 88-96' 2 JSPF

33 Indicate which items have been attached by placing a check in the appropriate boxes:

- ☒ Electrical/Mechanical Logs (1 full set req'd.)
 ☐ Geological Report
 ☐ DST Report
 ☒ Directional Survey
 ☐ Sundry Notice for plugging and cement verification
 ☐ Core Analysis
 ☐ Other

34 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Sophie MackayTitle Engineering Tech

Signature

Sophie Mackay

Date

01/19/2009

Title 18 U.S.C. Section 101 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States and false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.